G R S 58]

Previous references

File no ~~346 of 12~~ 267-11

Serial nos ~~1, 2, 3, 4, 5~~

1277-08-8 nos 41, 45, 48, 50 (Edn)

~~Later references.~~

File no 481-10

nos 16 8

File no 196 nos 1-3, 5 & 6

Edn 2 14 Rs 134, 149, 197 &

JM 449-15 Rs 3-5

16 17-97

19/3-14

Edn File No 168-13

Serial Nos 12, 3 4 7, 8 and 9

GENERAL AND REVENUE SECRETARIAT

Serial Nos 1 2, 3 4, 7 8, and 9

Part B for May 1915

SUBJECT

The programme of Mr Garalapurasastri's course of studies

Serial 1) Mr Garalapurasastri submits a programme of his course of studies letter dated 9/10/13 from London

Serial 2) From the I G of Edn No 5172/288 dated 29/10/13 forwards a copy of a letter from Mr J W Arnold prescribing a course of studies to Mr Garalapurasastri

Serial 3) From the I G of Edn D O 5412 dated 11-12-13 A cable to Mr Garalapurasastri to continue the present course for a year

Serial 4) From the I G of Edn 7169/379 dated 15/12/13 Copy of a letter from Mr S Garalapurasastri

Serial 7) From the I G of Edn no 171-2/7 dated 3 7 14 copies of correspondence between Mr Garalapurasastri & Messrs Alexander Finlay

Serial 8) To the I G of Edn 1406 dt 23 11 14 requests the I G to suggest a suitable course of study until the question of practical training is settled

Serial 9) From the I G of Edn 9870/429 dt 9 12 14 After the receipt of reply from Mr Sastri, action will be taken to submit the course for the approval of the Government

Sreenivasa Rao 4/5/15

C R S 11] 1917-18

GENERAL AND REVENUE SECRETARIAT

(Edn)

NOTES

File No 68-18

FILE HEADING

Foreign Scholarships to S Ganapathy Sastri

From Mr S Ganapathy Sastri, London

No Letter Dated 9/10/18 Received 29/10/18

Diary No 2508 | Enclo 1 | Spare Copies | Serial No 1

BRIEF ABSTRACT OF LETTER

Submits a programme of his Course of Studies which has been approved by Mr Arnold, Educational Adviser and adds that pending a Reply from the Govt, he has provisionally joined the University College, London, for 6 weeks

NOTES AND ORDERS

P.T.O

NOTES—First Sheet

(PL—8 000—1 6 13

2507
25 8

29/10/13

Both these letters may kindly be acknowledged by the Secretary, Departments of Education & Agriculture, and transmitted in original to the Inspector General of Education for disposal

The gymnasium wants equipment for gun dance

The copies of the replies sent by the Inspector General of Education may kindly be sent to me for perusal

26 10 13

3 Dmgt Sub

Secretary

1/11/13

4 ~~Issue~~ Sub to [illegible]

I think that all the subjects mentioned or at any rate all except the last (Wood distillation) may be taken up by the Student. The I.G. should be directed what answers to give and I do not think it sufficient to leave the matter to him. The I.G. may perhaps consult Mr Usher & Dr Travers on the point.

4/11/13

5 3/11/13

I believe they are cognate enough & the time will be sufficient. But the opinion of some persons acquainted should be obtained.

(2)

G R S 12]

General and Revenue Secretariat

2508

G.W. File No. 168 of 1913-14

Serial No

6 The 1st years' General Course may be proceeded with at once The I.G. may inform him so & he may communicate about Special Courses later on -

7/11/13

15/11/13

NOTE—Contn sheet

GPB—G5 000— 7 ' 12.

2656

GOR S 12]

General and Revenue Secretariat

Edn File No 168 of 1913—14

Serial No

(7) From the I G of Edn no 5172/288 dt 29 10 13

Forwards for information copy of a letter dt 10 10 13 from Mr T W Arnold, Edl Adv to Indian Students, London, prescribing a course of studies for Mr S Garalapuri Sastri

(8) A letter from Mr Garalapuri Sastri dt 9 10 13 & another from Prof F G Donnan in the matter have been submd with connected refces to the 1st Cr on 4 11 13

Submd

8/11

8 11 13 (11)

(9) Sub' to 1st Cr for perusal -

The I G of Edn has been separately addressed about the reply to Mr G Sastri

(10) Seen We may await further Comment from I G -

CSB 10/11/13

15/11/13

17 11 13

NOTE—Contn sheet

GIB—6 000—1 61—

G 1 S 12]

3463

General and Revenue Secretariat

Edn File No 168 of 1913-14

Serial No

3 (11) From the Dgl of Edn

D O No 547 Dt 11/12/13

States that he cabled to Garulapuri Sastri as per instructions in the Edn Secy's D O of the 7th December 1913 and adds that he had a discussion with Mr Usher about the course of Studies of Garulapuri Sastri and that he may be allowed to continue his present course for one year

(12) Mr Usher is going to England next summer and he seems to have promised to write in detail after meeting Garulapuri Sastri there.

Mw 24 16/12/13

4 (13) From the Dgl of Edn

No 7169/379 Dt 16/12/13

Forwards for information copy of a letter from S Garulapuri Sastri Re-course of Studies etc

Sent

Mw 24 16/12/13 (11) (14) Secy

Bn 17/12

NOTE—Contn sheet

GPB—60 000—1 1 13

G. I. S. 12]

3413 353 ... (1

General and Revenue Secretariat

Edn File No 168 of 1913

Serial No

(15) No further action seems to be necessary just at present.

Mr Garlapuri Sastri seems inclined to take up soaps candles & glycerine

1527

(16) Seen

20/12/13

9/12/13

(17) [illegible] 23/2

7

7 (18) From the I Gl of Edn No 171-2 dated 3/7/14 Forwards copies of correspondence between Mr Garlapuri Sastri and Messrs Alexander Fenlay Ld Soap Candle and Glycerine works Ad Fast in the matter of taking the former as an apprentice in the factory and states that if approved he (I Gl) will communicate with the Factory owners and ascertain their terms

(19) See the order sanctioning the Scholarship to Mr G Sastri it is stated that he will study Applied chemistry in special relation to the industry of soap and candle making, wood distillation and extraction and

One file relating to the Scholarship has been sealed in one connection
Ed

NOTE—Contn sheet

GPB—10 000—7 11 13

G R S 12]

General and Revenue Secretariat

Edn File No 168 of 1913

Serial No

and purification of oils He should acquire a thorough practical knowledge so as to be able to set up and manage one or more of such industries on his return x x x"

(20) From the above, the course proposed to be taken by Mr G Sastri see us necessary draft Sahd

11-7 14

B (20)
Secy
EAA

Am
11/7

(21) The draft may be approved

If the negotiations are successful Govt will have to pay a premium to the Firm & also make a deposit with them (for how many years, it is not clear) to protect their interests against ~~the~~ G-Sastri making any improper use of the training he will receive in the firm

1st member & Dewan

CSB
13/7/14
Am

(22) The premium, we may agree to pay AS for binding ourselves by guarantee, it may be for a term of years not exceeding seven We need not

NOTE—Contn sheet

GPB—10 000—13-6 14

G R S 12]

General and Revenue Secretariat | Edu File No 168 of 1913

Serial No

I expect, pay a deposit, if our Bankers (Coutts & Co) are asked to endorse the guarantee. 5 years term & a sum of 500 £ liquidated damages may be agreed to We may even go up to 7 yrs & 1000 £

(23) The Course must be a full practical Course so as to enable him to start a fully equipped establishment here & to manage it

20/7/14

(24) (I think it would not be amiss to take some independent advice as to the standing of the firm & its ability to perform its promises.)

NOTE—Contn sheet

GPB—10 000—13-6 14

(23) Put up draft as in above lines

G R S 12]

General and Revenue Secretariat

Edu File No 168 of 1913

Serial No

(26) Dra of Subd
15 8 14
17
B.S. 17 8 14 Sec 4)

Am 19/8

Lid Dept 19/8

1014
21/8/14

17) Dewan through 1st member

CSB 12/9/14 Am

vi) I do not think that the I.G. has any ready means of finding out about the Company Please send the file to the Director of Industries unofficially for opinion He may be able to ~~adv~~ ascertain about the Company also

12/9/14

ESA
12 0.9-14

vi) Forwarded with compliments to the Director of Industries for favour of opinion

14/9/14

C S Balasundaram's

Am

VI
19/9

30) I have no information regarding the status of the firm but as it is

NOTE—Contd sheet

GPR—10 000—13 6 14

G R S 12]

General and Revenue Secretariat

E.L File No 118 of 1913

Serial No

recommended by the Prof of Chemistry at University College London - that may be taken as a sufficient guarantee of its technical status

The premium of £500 a year seems very reasonable for really practical instruction in the processes of the Trade

No ~~pt~~ information is furnished as to the amount to be deposited with the Firm, nor the length of time the deposit is to be made The proposal is a curious one and not customary in business It looks to me as though the firm were not at all anxious to take Mr Sastri as a pupil The firm will certainly want the money deposited with them - probably not less than £2000 & possibly £5000 but the term of years should not exceed three & 4 percent interest should be paid by the firm on the deposit

I hope Mr Sastri is a sufficiently practical young man to make it worth while to spend this money on him

Alfred Chatterton
18 9 14

Rec'd 21/9

Sub'd Sec'y

Bm 21/9

NOTE—Contn sheet

GPB—10 000—13 6 14

G R S 12] 35

General and Revenue Secretariat | Ed File No 168 of 1913

Serial No

31 Sub^d to 1st member

CSB
23/9/14

32 ~~I think the~~ The Fl Secretary may be Consulted I think he would be able to arrange the thing through Messrs Coutts & Co The terms shd not be higher than what ~~have~~ are stated in my note & Mr. Chatterton's opinion After getting the Fl Secretary's opinion, submit to Dewan.

33 - 6/10/14

Please send to Br II for ~~consulting & obtain~~ submit to Fl Secy

CSB
9/10/14

Br II

Fl Secy 501 317

Reserve

Noll – Co t I t

C11 – 00 26611

G R S 12]

General and Revenue Secretariat | Ed File No 188 of 1913

Serial No

34 I do not think any endorsement by our bankers will satisfy the firm in a case like this They would want a ~~very~~ large sum probably from £2 000 to £5 000 as stated by Mr Chatterton to be deposited with them to be forfeited by them instantly if in their opinion the conditions are violated

35 In my opinion ~~the~~ a premium of ~~Rs~~ Rs 7 500 a year and a deposit of Rs30 000 to Rs75 000 liable to forfeiture are exceedingly unacceptable terms

36 - I know that many students have gone to foreign countries for example Japan America etc and learnt soap-making and allied industries without incurring such heavy expenditure and risk It cannot be said that the training got by these students ~~do~~ was incomplete or indifferent, for some of them have started soap works on a commercial scale on the basis of such training and some of these ~~have~~ concerns have proved successful One such student I learnt the other day who had returned with foreign training and started ~~an~~ a soap factory in Calcutta and managed it for five years successfully, is now unemployed The proprietors of the factory have put one of their own men as manager and dispensed with the services of this man Valuable information as to how these men manage to get practical training can be obtained from the Association for the scientific and industrial training of

Indians

NOTE—Contn sheet

GPB—60 000—25 9 18

3's

Rds /3

G R S 12]

General and Revenue Secretariat

Ed File No 168 of 1913

Serial No

501

Indians started in Calcutta This association has managed to get more than ~~[illegible]~~ 150 students trained abroad on very reasonable terms This association could never think of ~~[illegible]~~paying a premium of from £500 per annum or depositing the sum of three-quarters of a lakh, but yet some of their students have started successful industrial concerns in various lines In these circumstances I think that further enquiries should be made for securing training for Sastri on more reasonable terms and that the extravagant terms proposed should not be accepted

15/10

Br VI

37. Subd with refce to para 32

16/10 Secy

Am 16/10

38 Resubmd to 1st member

39. The student may be asked to enquire further & the adviser to Indian Students consulted by the I.G. of Edn

22/10/14

22/10/14

1 - Dewan

23 Nov

23/10

Recd 24 10 14

NOTE—Contn shee

G R S 12] 353-13 14

General and Revenue Secretariat

Edn File No 168 of 1913

2525
12-11-14

Serial No

Subject - Mr Garalapuri Sastri s course of studies

41 I agree with the Financial Secretary and Mr Chatterton that the terms regarding the deposit of money and its forfeiture in case of infringement of the conditions are quite unacceptable The Inspector General of Education may ask Mr Sastri to suggest a course of practical apprenticeship himself after making further enquiries Government may be able to pay £ 500 a year for 2 years, but no additional expenditure will be sanctioned without very strong reasons If instruction on these lines cannot be obtained in Great Britain Mr Sastri may try in other countries The Inspector General of Education may settle all the details and, when he is satisfied as to the feasibility of any scheme , he may send up final proposals or alternative ones for the sanction of Government

42 The Inspector General of Education may also be requested to suggest a suitable course of studies for Mr Sastri for the present, till the question of practical training is settled

43 Please draft on these lines 12 11 14 AC

CSG 13/11/14 Am

44 Draft subd

E 16/11 SN Sec 4/

45 Am 16/11

GR 18/11

46 Issue

CSG 18/11/14 Am

NOTE—Contn sheet.

GPB—60 000—7 11 13

15

G R S 12]

General and Revenue Secretariat | Edn File No 168 of 1913-14

Serial No 8

To the IG of Edn 1406 Q 23 11 14

States that the terms regarding the deposit of money and its forfeiture are not acceptable to Govt, that Mr Sastri may himself be asked to suggest a course of practical apprenticeship after making further enquiries, and that if Govt approve of it they may pay £500 a year for the course for 2 yrs, and request the IG to submit further proposals in the matter and in the meanwhile to suggest a suitable course of study until the question of practical training is settled

Note—Co t I I

C 11— 00 26 6 11

16

[G. R S 12] 129

General and Revenue Secretariat

Edn File No. 168 of 1913.

Serial No

9 From the IG of Edn 9870/429 &

9 12 14

With refce to Sl 8 states that Mr Garalapuri Sastri is at present studying chemical Engineering & Organic chemistry in the Impl College of Science & Univ College, London resp^ly, that he has been asked to propose a practical course, and that after ~~his~~ the receipt of reply action will be taken to submit the course for the appl of Govt

47 The file contg Sl 8 has been put up with the papers re- the advance asked for by Mr Sastri (where the question of his meeting the cable charges himself ~~was raised~~) for having cabled to the compln for the remittance of his selfs, was raised) These papers are before the 1st member

48 The next communication from the IG may be awaited

8/12 SN 49 as the other files are rec^d Yes But submit again as soon

26 12 14 Am 28/12

50 The other files connected with this are put up The com^n from the IG has to be awaited

8/12 SN Yes

22 1 15 Am 28/1

NOTE—Contn sheet

G I B 2000—2 11 11

G R S 12]

17

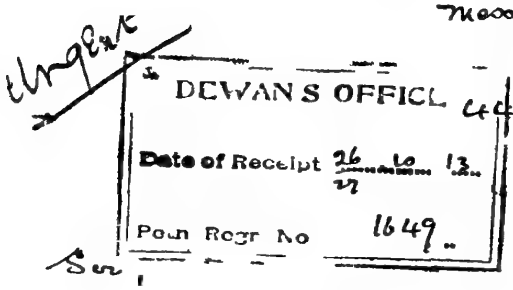
General and Revenue Secretariat		~~Edn~~ File No ~~168~~ of 1913
	Serial No	51 For further correspondence see Edn File 2 of 1914 52 This collection may now be recorded Am 4/5

NOTE—Contn sheet

GPB—* 000— 11 14

EDU/68-13
C/o Small D250
messrs Coutts and Co
Bankers
Strand
London WC
9 10 13

Urgent



Sir,

I paid a visit to the University College, London, yesterday, and had a discussion with Prof F G Donnan, M A, Ph D, F R S, about my intended course of studies. We talked about it in Consultation with Dr R W Gray also and as a result of our Consultation we came to the Conclusion that it will be best for me, to join the University College London, for a period and work there, while working there I shall have to attend the

College of technology or still better
under some technical expert. This
year's work will involve a minuted detailed study of
the special lines, Subject- so far as the experimen
can be conducted in a Laboratory. In
my opinion a technical institute would
answer my purpose admirably.

Next year, ie the third year Course
is the most difficult one. This should
be in a factory manufacturing the
things and doing business also on the
line I want to specialise Prof. F.G.
Donnan promisses me that he would
use his influence and get me an

admittance into a good factory where I can learn the practical details - (and possibly some of their secrets also) of the work and this year I shall have to specialize heavily. It is a remote chance, but still, I may mention, that I may have to stay some time more at the factory in case it is deemed necessary.

While working in any one place I shall have to visit as many technical Laboratories as possible and I shall let not so any opportunity to do so

Physical Chemistry Laboratory and do some work in that branch This won't take a long time Then while I'm there attend a Course of lectures on Engineering (mechanical, Chiefly - just enough for my purpose in erecting machinery etc) and learn also machine drawing and other Kindred Subjects All these things will be done in the first year

The second year is to be devoted to a special industry (If the Government approve it, I shall take up Soap + candles) the detailed study of the scientific portion of the subject This will also be either at the University College London Or in some School or

This week I heard also from Mr. Dadachanji, one of my colleagues that was studying in the Indian Institute of Science and that is now working at the Polytechnic Institute at Charlottenburg (Berlin), and he tells me that it is very good to go and join the Polytechnic and be working there until I get a chance of entering into a factory. He assures me that I can do the scientific portion of the work, and as for conducting the experiments on a manufacturing scale, it is not at all possible to do so in any technical Institute. The only things I could

Sir T. W Arnold, the Educational adviser to the Indian Students, approves of the plan set forth by Prof Donne.

I shall be awaiting the reply of the Government and I shall not take any further steps until I hear from them

In the meanwhile, I have joined the University College, London provisionally for six weeks only by the end of which time I shall be anxiously expecting the letter from

the Government

I shall feel very much
obliged if the Government will
kindly send me an early reply
I have had half the terms fees
for these six weeks, and I shall
have to discontinue at the end of
that time If after discontinuing
once, I join the College ~~once~~ again
I shall have to pay the full terms
fees. But if I continue without
break after these six weeks, I need only
pay half the terms fees

I remain Sir,
Your most obedient servant
S E Sasby

do here will be, to be attending the Laboratory and be Conducting experiments in my line I can also learn the Engineering portion of my work also The Polytechnic is efficiently staffed also

Some other Consultations and inquiries which I made since my arrival here are not worth mentioning

Prof F-G Donnan promissed me that he would write direct to the Government of Singapore stating his plans of work and he further told me that he will be pleased to enter into Correspondence on that subject with the Singapore Government

D 2508 9

Enc to Edn 168-13 Serial 1

UNIVERSITY OF LONDON

UNIVERSITY COLLEGE

GOWER STREET LONDON W C

THE PROVOST

DEWAN'S OFFICE

Date of Rec pt 26/27 10 13

Petn Regr No 1650

9th October 1913

Dear Sir,

I understand from Mr Sastry that he has been sent to Europe by the Mysore Government to study all or any of the following branches of technical chemistry

(1) Oils and Fats

(2) Soap, Glycerine and Candles

(3) Wood Distillation

I also understand that Mr Sastry will have three years, and possibly four, to spend on this study

Mr Sastry informs me that he is expected to return to India and direct, under the Mysore Government, the erection and running of a factory undertaking work under one of the previously mentioned branches of applied chemistry For this purpose I think it will be necessary for him to spend the first year in the improvement of his scientific knowledge, especially as regards physical chemistry, This he could do very well at University College, London During this period he must also study a certain amount of engineering and engineering drawing, and also French and German if he is unacquainted with those languages

After that Mr Sastry must study

(1) the methods of testing and analysis employed in the industry in which he will specialise

(2) the practical construction, working, and management of a factory in this industry

The latter condition presents very grave difficulties It is absolutely essential if Mr Sastry is to take any initiative in the actual planning, erection, and running of the proposed

10 11

N 3979 C

UNIVERSITY OF LONDON

UNIVERSITY COLLEGE

GOWER STREET LONDON W C

THE PROVOST
TY
GO

(2)

But the vast majority of works will refuse to take in a student such as Mr Sastry

Should he elect to make a special study of soap, glycerine, and paraffin candles, it is possible that I could arrange with friends of mine, who are manufacturers of these commodities, to take him in and teach him This could only be done, however, by a special arrangement between my friends and the Mysore Government

I am quite willing to help in the making and carrying out of such an arrangement

The methods of testing and analysis, referred to under (1) can be learnt at various Universities and Technical Colleges, but in my opinion such preparatory training should be supplemented, if possible, by a period of work in the testing laboratory of a Works

I shall be very pleased to enter into a further discussion of Mr Sastry's future work with the Mysore Government, or their representatives in England

I am,

Yours faithfully,

F G Donnan

Professor of General and
Inorganic Chemistry

M Visweswariah, Esq , B A ,M I C E ,C I E ,
Dewan of Mysore,
Bangalore,
India

D2656 11

Edn 168-13 Serial 2

Edn 81]

OFFICE OF INSPECTOR GENERAL OF EDUCATION IN MYSORE

No 5172 / 288 Enc 1

Bangalore 29th October *191* 3

From

M SHAMA RAO Esq MA
Inspector General of Education in Mysore

To

C S Balasundaram Iyer Esq B A
Secretary to the Government of His Highness the
Maharaja of Mysore Departments of Education & Agricultu

SIR

With reference to para 4 of Government Order No 2196-8/ Edn 346-12-5 dated 22nd August 1913 sanctioning a Damodar Dass Scholarship of £200 to Mr S Garalapuri Sastry I have the honour to forward herewith for information of Government copy of letter dated 10th October 1913 from Mr T W Arnold Educational Adviser to Indian Students London prescribing a course of studies to Mr S Garalapuri Sastri

I have the honour to be
Sir
Your most obedient servant

M Shama Rao

Inspector General

TNR

Enc 15
Edn 169-13

12

Letter dated 10th October 1913 from Mr T W Arnold Educational Adviser to Indian students London to the Inspector General of Education in Mysore

---

With reference to your letter No 2816-7/447 of the 29th August regarding Mr S Garalapuri Sastri, B A who has been sent to this country to study Organic Chemistry I beg to say that Prof F G Donnan who is well-known authority on the matter has been good enough to map out a course of study for Mr Sastry which will be as follows - For the first year Mr Sastry will study in the University College London following a general course in industrial Chemistry so far as the experiment can be conducted in a Laboratory and also a short course in Engineering which is necessary for an industrial Chemist The second year is to be spent in a Technical College or Institute or under a technical expert if he can give facilities for a specialized branch and the third year is to be spent in a Factory

I beg to state that this arrangement has my entire approval

(Copy)

Inspector General

TVR

Office of the Inspector General of
Education in Mysore
Bangalore 11th December 1913

D O No 547

Dear Mr Balasundaram Iyer

Your D O of the 7th instant I cabled to Mr Garala-puri Sastri as noted in your letter and I have already sent a copy of his letter for the information of Government with my official letter No 7169/379 of the 10th instant Yesterday I discussed the matter with Mr Usher and he is of opinion that Mr Sastry may be allowed to go on in his present course for one year Mr Usher is going to England next summer when he will visit Mr Sastry and write to me in detail about his future course In the meanwhile the matter may be allowed to remain as at present

The file is herewith returned

Yours sincerely
M Rama Rao

D O. No 7968
14

Office of the Inspector General of
Education in Mysore
Bangalore 11th December 1913

D O No 546

My dear Sir

I enclose herewith for your perusal copy of letter dated 18th November 1913 from Mr S Garala-puri Sastri a Damodar Das Scholar studying in the University College London

Yours sincerely
M Shama Rao

To

Visvesvaraya Esq C I E
Dewan of Mysore
Bangalore

15

c/o Lessrs Coutts & Co

Bankers

440 Strand London W C

18-11-13

To

The Inspector General of Education in Mysore

Bangalore

Sir

Thanx you very much indeed for your D O dated Bangalore 23rd October 1913

In accordance with the cable (communicated to me through Messrs Coutts & Co) of Saturday the 15th November I have joined the University College London I have been admitted as a post-graduate student into the research branch of the Physical Chemistry Department

I may briefly mention here that my first year's work consists of some training in Physical Chemistry in Machine design and Machine drawing etc (so far as it is useful for the purpose of my special study) and some new investigation in connection with my special line viz Soaps and Candle and Glycerine The latter thing i e the research will be suggested by the Professor in consultation with the Manager of the factory where I am to get an admission I can carry on the experiments, on a large scale after I go to the factory

Prof Donnan D Sc , Ph D F R S , has told me that in all liklihood I shall have the chance of getting into the Factory next year only and I am only too glad if that is so The factory is that of Messrs Findlay's Soap and Candle Works at Belfast It is through the kindness and recommendation of Prof Donnan that I can get an admittance there and he has promised me that much This

is

is indeed more than I hoped for since it is the most difficult thing to secure an entrance into a factory The condition on which the factory stipulates will be that I shall not use the knowledge obtained there against their interests anywhere in Great Britain and Ireland The student will be at perfect liberty to start any factory outside this area

Mr Hashmat Rai B A M Sc (Govt of India Scholar from the Lahore Government College) who was working for one year in the said factory has assured me that I can get what all assistance I want in that line "If there are any more secrets of the trade which I have not learnt" he said "it is on account of my own fault and not theirs and they hid nothing from me"

Further it may be of interest to you to know that Mr Rai and Mr Findlay have taken a patent for an important process of manufacture This I quote simply to prove what immense facilities I can get in the said factory which is very chary of admitting an English Chemist who will not be bound down to them for life They generally do not employ German and American Chemists on account of their own reasons nor are these it seems to me very anxious to go there except with a special aim of "stealing" some secret

I hope to be pardoned for a lengthy report as this but I thought it were better these things were known clearly to you Please let me know if you require any further details about my studies

May I request you Sir to forward this letter to the Government for their information?

I remain Sir
your most obedient servant
(Sd) S Garalapury Sastry

(Copy)

17 Edn 168-13 Serial 4

Edn 81]

OFFICE OF INSPECTOR GENLRAL OF EDUCATION IN MYSORE

D 3413

No 7169 / 379 Enc 1

Bangalore 10th December *1913*

From

M SHAMA RAO Esq MA

Inspector General of Education in Mysore

To

C S Balasundaram Iyer Esq B A

Secretary to the Government of His Highness the

Maharaja of Mysore Depts of Education & Agriculture

SIR

I have the honour to submit herewith for the information of Government copy of letter dated the 18th November 1913 from Mr S Garalapuri Sastri who was granted a foreign scholarship in Government Order No 2196-8/Edn 346-12-5 dated 22nd August 1913

I have the honour to be

Sir

Your most obedient servant

M Shama Rao

Inspector General

TNR

18

c/o Messrs Coutts & Co
Bankers
440 Strand London
18-11-13

To

The Inspector General of Education in Mysore
Bangalore

Sir

Thank you very much indeed for your D O dated Bangalore 23rd October 1913

In accordance with the cable (communicated to me through Messrs Coutts Co) of Saturday the 16th November I have joined the University College London I have been admitted as a post-graduate student into the research branch of the Physical Chemistry Department

I may briefly mention here that my first year's work consists of some training in Physical Chemistry in machine design and machine drawing etc (so far as it is useful for the purpose of my special study) and some new investigation in connection with my special line viz Soaps and Candle and Glycerine the latter thing i e the research will be suggested by the Professor in consultation with the Manager of the factory where I am to get an admission I can carry on the experiments on a large scale after I go to the factory

Prof Donnan D Sc Ph D F R S has told me that in all likelihood I shall have the chance of getting into the factory next year only and I am only too glad if that is so The factory is that of Messrs Lindlay's Soap and Candle Works at Belfast It is through the kindness and recommendation of Prof Donnan that I can get an admittance there and he has promised me that much This

is

19

Indeed more than I hoped for since it is the most difficult thing to secure an entrance into a factory The condition on which the factory stipulates will be that I shall not use the knowledge obtained there against their interests anywhere in Great Britain and Ireland The student will be at perfect liberty to start any factory outside this area

Mr Hashmat Rai B A M Sc (Govt of India Scholar from the Lahore Government College) who was working for one year in the said factory has assured me that I can get what all assistance I want in that line "If there are any more secrets of the trade which I have not learnt" he said "it is on account of my own fault and not theirs and they hid nothing from me

Further it may be of interest to you to know that Mr Rai and Mr Lindlay have taken a patent for an important process of manufacture This I quote simply to prove what immense facilities I can get in the said factory which is very chary of admitting an English Chemist who will not be bound down to them for life They generally do not employ German and American Chemists on account of their own reasons nor are these it seems to me very anxious to go there except with a special aim of 'stealing' some secret

I hope to be pardoned for a lengthy report as this but I thought it were better these things were known clearly to you Please let me know if you require any further details about studies

May I request you Sir to forward this letter to the Government for their information?

I remain Sir
Your most obedient servant
(Sd) S Garala ury Sastry

(Copy)
Lee Shamaraj
Inspector Genl

Edn 81]

1913-14

From

M SHAMA RAO, Esq, MA,
Inspector General of Education
in Mysore

To The Secretary to Govt,
Depts of Edn & Agri

No 7169/379

Dated 10th December 1913

Received

No of Enclosure 1

Subject

Forwarding copy of a letter from Lr S Garalapuri Sastri Damodar Das Scholar in England

20
D 353

Edn 81j

OFFICE OF INSPECTOR GENERAL OF EDUCATION IN MYSORE

No 171-2 / 7 Enc 2

Bangalore 3rd July 1914 Edn 168/13 Serial 7

Edn 2-14 Serial 2

From

Rao Bahadur M Shama Rao Esq M A

Inspector General of Education in Mysore

To

C S Balasundaram Iyer Esq B A
Secretary to the Government of
His Highness the Maharaja of Mysore
Departments of Education & Agriculture
Bangalore

Sir

Flag S

In continuation of correspondence ending with m D O No 547 dated 11th December 1913 regarding the course of study to be followed by Mr S Caralapuri Sastry Damodardoss scholar during the first year I have the honour to forward herewith for orders of Government copies of letters dated 5th June 1914 and 8th June 1914 from Mr Sastri giving the details of an interview which he had with Messrs Alexander Finlay Ltd Soap Candle and Glycerine Works Belfast in the matter of their taking him in as an apprentice in their factory on certain conditions to be settled between the Mysore Government and the owners of the Factory If approved by Government I shall communicate with the Factory owners and ascertain their terms

I have the honour to be
Sir
Your most obedient servant

M Shama Rao

Inspector General

21 Enc to Edu 16c 13-)

Letter dated 5th June 1914 from r S Saralapuri Sastry to the Inspector General of Education in Mysore

---- -

ccording to the instructions of the Government I have been studying in the University College London The first term was chiefly confined to some work in Physical Chemistry and the second term was spent on some small investigation concerning the bleaching of Palm oil and at the same time in attending the classes on Engineering drawing (seven hours a week) The next term commenced on the 2 th of April and will be confined to (1) Engineering drawing as before (2) Examination and analysis of oils fats soaps etc

That finishes off my first year's programme and by the end of the year I shall be I hope quite conversant with almost all the laboratory work connected with oils fats soaps etc

The next and the most important thing that is to be undertaken is to get experience in soap works and obtain the necessary factory training This is absolutely essential in order that I may get a thorough and sound knowledge of the particular industry before I can undertake any such concern on my return to India

As you are well aware the factory owners are extremely jealous of their secrets and will go to great lengths to guard them as much as it lies in their means and power So much so most of the factories will not even admit visitors to their places least of all science students and other persons suspected of having an interest in the industry - it may be pointed here that even a visit to soap factories which trade with India is impossible - for the simple reason that they are to a certain extent already afraid of Indian Competition and hence try to keep off the Indians from their premises as much as possible

Last month I went to Belfast with the object of interv

interviewing the owners of the firm essrs Alexander Linlay Ltd (Soap Candle and Glycerine Works Victoria Square Belfast) I discussed the question of my working in their factory for a period of two years and they seem to be quite willing to allow me to work in their place subject to one or two conditions

The first and the foremost is that I should bind myself not to use the knowledge gained there anywhere else except in India The next one which is of considerable importance is that they require a sum of money to be deposited with them and to be forfeited by us in case the conditions laid down are in their opinion violated by me They seem ~~xx~~ disposed to legally bind themselves to give me a sound and thorough training about everything connected with the Industry of soap candles and glycerine to the extent to which it is done in their own factory For example the secret recipes for the manufacture of things the manipulation of the particular machinery etc the best sources of raw materials etc etc in fine to keep me in touch with all the practical and working details of the industry concerned in all its three aspects (1) Chemical (2) Engineering and (3) Economical For this training they would expect a fee of £125 per quarter payable in advance

From what I could gather from the conversation I had with them, it looks as though they may admit me into their place on payment of a lesser fee in this case not binding themselves to teach me anything but never hindering me from picking up what all I can out of my own observation and occasionally helping me whenever they have time to do so

In any case they are perfectly agreeable to enter into correspondence and discuss the question with the Government of Mysore if the Government write to them

I have enclosed copies of two letters which I had from the ~~xxx~~ firm after my return from Belfast

Awaiting instructions

"C o p y"

Inspector General

TNR

Encl 15
Edn 16813-7 23

SOAP CANDLE & GLYCERINE WORKS

BELFAST 28TH APRIL 1914

Mr S G SASTRY B A F C S
REDGRAVE HOUSE 99 SOTHEBY ROAD
HIGHBURY PARK N LONDON

Dear Sir

While we were prepared to entertain the proposal that you should come to us to study the manufacture of Soap and Candles practically on the terms mentioned to Professor Donnan by our Mr Robert Finlay we are advised by our solicitors that as regards a guarantee that you would protect our interest and do nothing contrary to them after leaving us the only effective guarantee would be to have a money deposit to be forfeited to us in case you should in our opinion violate the agreement to be entered into We suppose this would be an insuperable barrier to your coming to us Besides we are advised that from the experience of other firms who have tried similar proposals they have never been a success We therefore regret to say that we do not see our way to accede to your request to come to our works

Yours truly
(Signed) ALEXANDER FINLAY LTD
W G

Copy'
Inspector General of Education

24

SOAP CANDLE & GLYCERINE WORKS

BELFAST 14th May 1914

Dear Mr Sastry

I am in receipt of your favour of 13th instant We did not exactly say that we would not receive you under any conditions whatsoever What we did say was that we thought the condition proposed by our solicitors would be insuperable and therefore we could not see our way to take you in If you find this condition is not insuperable then we might see our way to take you in We would suggest that you write to the Mysore Government pointing out the terms upon which we had thought of taking you in and at the same time giving them the condition which our solicitors asked us to put forward You might also tell them that if they are agreeable to the condition laid down they might write to us direct stating exactly what they require I think that this would be sufficient If however you have reason to believe that they require a fuller letter from you in the first instance it would be better to let me see copy of what you propose sending there were several points in the letter you had written for the Mysore Government which were not quite accurate

Yours sincerely

(Copy) (Signed) ROBERT FINLAY

Inspector General of Education.

Encl 5
Edn. 16837 25

Letter dated 8th June 1914 from Dr S Caralapuri Sastry to the Inspector General of Education

---

It is a long time since I sent in a detailed account of my travelling expenses I hope you have received it in time

Last week I have sent in a report of my work here and also a letter with regard to my spending sometime in a factor Out of the several factories where I tried that at Belfast is the only one that consented to receive me under the conditions to be settled

If the Government should think that Messrs Alexander Kinlay Ltd demand too high a premium and as such I cannot be sent there to work may I request you to let me know if you will permit me to go to Germany and try to enter into a factory there?

Since I cannot be expected to be wasting my time while trying to enter into a factory I propose to specialize in Organic Chemistry in one of the German Universities and at the same time try to get an admission into a factory and if an opportunity offers itself during that time either in Germany or in England to go and work in a factory I shall relinquish Organic Chemistry and join the Soap Works May I request you to let me know if I have your approval of the above scheme?

Since I have to apply for a seat in the Laboratory quite

26

early, I shall feel highly obliged if you will kindly expedite the matters and send me an early reply Meanwhile the Educational Advisor r T J Arnold has been making inquiries on my behalf with several other soap works that I have not tried myself Any outcome of those inquiries worth mentioning will be duly communicated to the Government

If I cannot get the reply of the Government in time to secure a seat in one of the German Universities I shall be continuing in the University College London as a research student in Organic Chemistry

Since I came to London outside the College work I have attended almost all the meetings of the Chemical Society of London all the lectures and colloquium meetings of the Chemical and Physical Society of the University College a course of six special advanced University lectures on the Manufacture of sulphuric acid and alkali and a few more shorter courses of advanced lectures on Chemistry

I had an occasion to visit (i) Bryant and May s Match Facto (ii) British Oxygen Manufacturing Company (iii) Woolwich sulphuric Acid Works and (iv) Barday and Perkins Brewery All these are amongst the biggest of their kind in England

Hoping to receive early instructions

Copy

Inspector General of Education.

Edn 81]

1913-14

From

The *Inspector General of Education in Mysore*

To

The Secretary to Govt
Depts of Ldn & Agri

No 171-2/7

Dated 3rd July 1914

Received

No of Enclosure 2

Subject

Submitting for orders copies of correspondence re the admission of Mr Garalapuri Sastri into a Soap and Candle Factory at Belfast

---

CIB—2 000—11 11 11

Edn. 27

G R S 26]

File No 168-13

Serial No 8

Diary No of letter replied to D 353-13

No 1406

General and Revenue Secretariat

( )

the 191

To

The I. G. of Edn.

Sir,

With ref^e to correspondence ending with your letter no 171-2/7 dated the 3rd July 1914 regarding the conditions of apprenticeship of Mr. S. Garalapuri Sastry (Damodardoss Scholar) in the Soap Candle

over

Date of issue 23/11/1914

Signed by mr A VR

SUBJECT

27

and Glycerine Works of Messrs Alexander Finlay Ltd. Belfast, I am directed to state that the terms regarding the deposit of a large sum of money ~~and in advance at £125 per quarter for a period of two years~~, and its forfeiture in case the conditions are, in the opinion of the firm, infringed, are quite unacceptable to Govt. ~~You~~ Mr G Sastri may under the cnces be himself asked to suggest a course of practical apprenticeship ~~himself~~ after making further enquiries, ~~and if acceptable, the~~ and, if Govt approve of it, ~~I am~~ they may be prepared to pay for the course at £500 a year for a period of two years. No addl. expenditure will be sanctioned without

List of enclosures

Copied by

Examined by

GPB—25 000—4 3 13

G R S 27]

GENERAL AND REVENUE SECRETARIAT

(*Continuation sheet draft form*)

28

very strong reasons if no practical instruction can be obtained in Great Britain on these terms, Mr Sastry may be advised to try for apprenticeship in other countries

2 I am to add that in respect of the course of study of Mr G Sastry you will be so good as to arrange all the details yourself, and when you are satisfied as to the feasibility of any scheme ~~send up~~ submit final proposals, or alternative ones for the sanction of Govt ~~In the meantime~~ ~~Till the question of Mr G. Sastri's practical training is settled I am~~ further to request you to suggest

GPB—1 000—15-2 13

29

~~Chin~~ a suitable course of studies for Mr G Sastry, for the present i e till the question of practical training is settled. I have &c

[illegible]

[illegible] 16/11

Am Lea (Edn)
16/11

/30

DIARY No 1209
19-12
SECTION Edn
168-13
S. FILE No 9

Edn 81]

OFFICE OF INSPECTOR GENERAL OF EDUCATION IN MYSORE

9870
No 429

Bangalore 9th December *1914*

From

RAO BAHADUR M SHAMA RAO Esq MA
Inspector General of Education in Mysore

To

C S Balasundaram Iyer Esq B A
Secretary to the Government of
His Highness the Maharaja of Mysore
Departments of Education and Agriculture
Bangalore

SIR

With reference to para 2 of your letter No 1406/Edn 168-13-8 dated 23rd November 1914 requesting me to suggest a suitable course of studies for Mr S Garalapuri Sastri till the question of his practical training is settled I have the honour to state that Mr Sastry wrote in his letter of the 25th September 1914 (a copy of which was sent by Mr Sastry to the Dewan also) that he is at present studying Chemical Engineering and Organic Chemistry (Research) in the Imperial College of Science and University College London respectively I have written to Mr Sastry to propose a practical course on the lines mentioned in your letter, referred to above After Mr Sastry's reply is received I shall take action in consulting expert opinion and submitting the course for the approval of Government In the meanwhile Mr Sastry may be allowed to continue his present course

I have the honour to be
Sir
Your most obedient servant

M Ramaswamy Iyer
Assistant to the Inspector General
For Inspector General
(Absent from station)

TNR

[illegible]

1914-1[illegible]

From

RAO BAHADUR M SHAMA [illegible]
Inspector General of [illegible]

To The Secretary to Govt.
Dept of Edn & Agri

No. 9870/42[illegible]

Dated [illegible]th December 1914

Received

No of Enclosure

SUBJECT

Furnishing in [illegible] [illegible]

course of studies of [illegible]

Sastri [illegible]